

Appl. No. 10/774,430  
Amendment dated: March 11, 2005  
Reply to OA of: December 15, 2004

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

1(currently amended). A temperature sensor temperature sensing tube comprised of:

[[A]] a head section having an outer conoidal hem formed along the circumference at its lower extent, a neck section is formed at the center of the tube, and a passage is disposed in the said neck section;

[[A]] a tube member having a hollow interior section that is contiguous with the said passage and an aperture in its bottom section;

~~The features of which are:~~ wherein, the temperature sensing tube characterized in that [[the]] said head section and [[the]] said tube member are forged from a tubular blank into a one-piece, entirely unitary structural component, [[the]] said head section outer conoidal hem and neck section are formed as extensions of [[the]] said tube member; and

wherein said head section is extended from said tube member to form said outer conoidal hem, the upper circumferential edge of said outer conoidal hem is bent into a U-shape such that it overlaps against said outer conoidal hem along an inner conoidal hem, following which said neck section is formed from bottom section.

Claim 2(canceled).

3(currently amended). The temperature sensing tube according to claim 1 wherein ~~As mentioned in Claim 1 of the temperature sensor temperature sensing tube of the invention herein,~~ [[the]] said neck section includes a gradually reduced neck base which is larger than and formed upward from [[the]] said bottom section and continues extending above into a neck body having an approximately equal tubular diameter.

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4(currently amended). The temperature sensing tube according to claim 1  
wherein ~~As mentioned in Claim 1 of the temperature sensor temperature sensing tube~~  
~~of the invention herein~~, [[the]] said passage includes a hole section of a nominally  
constant inner diameter and a conic hole section of graduated reduction from the  
bottom towards the top.

5(currently amended). The temperature sensing tube according to claim 1  
wherein ~~As mentioned in Claim 1 of the temperature sensor temperature sensing tube~~  
~~of the invention herein~~, [[the]] said tube member aperture is disposed in a hole mount  
formed inward at [[the]] said bottom section.